

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: August 22, 2003, 14:39:15 ; Search time 84 Seconds  
(Without alignments)  
4879.442 Million cell updates/sec

Title: US-09-745-506-74

Perfect score: 506

Sequence: 1 GTGATGTATCTTGCTGCT.....TCGTGTACTTAACATTCAA 1553

Scoring table:

OLIGO  
Xgapop 60.0 , Xgapext 60.0  
Ygapop 60.0 , Ygapext 60.0  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 497079 seqs, 131961718 residues

Word size: 1

Total number of hits satisfying chosen parameters: 933342

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

-MODEL=frame\_n2p\_model -DEV=rapb  
-Q/cgn2\_1/USPTO.spool/US09745306/runat\_22082003\_132740\_11349/app\_query.fasta.1.1735  
-DB=Published\_Applications\_AA -QFWT=fastan -SUFFIX=n2poli.rapb -MINMATCH=0.1  
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo  
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1  
-ALIGN=15 -MODE=LOCAL -OUTFWT=ptc -NORM=ext -HEAPSIZE=500 -MUTLEN=0  
-MAILEN=2000000000 -USER=US09745306.ecgn\_1\_1\_103.etrnat\_22082003\_132740\_11349  
-NCPU=6 -ICPU=3 -NO\_MMAP -LARGEQUERY -NEG\_SCORES=0 -WAIT -DSPELDOCK=100  
-LONGLOG -DEV.TIMEOUT=120 -WARN.TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60  
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published\_Applications\_AA:\*

1: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubppa/PTCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubppa/PTCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubppa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubppa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/1/pubppa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/1/pubppa/US10B\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/1/pubppa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query	Score	Match Length	ID	Description
------------	-------	-------	--------------	----	-------------

1	68	13.4	68	9	US-09-864-761-43200	Sequence 43200, A
2	8	1.6	10	11	US-09-572-404B-1709	Sequence 1709, Ap
3	8	1.6	64	9	US-09-764-869-680	Sequence 680, App
4	8	1.6	64	15	US-10-091-504-680	Sequence 680, App
5	8	1.6	91	15	US-10-156-761-9111	Sequence 9111, Ap
6	8	1.6	96	15	US-10-043-487-236	Sequence 236, App
7	8	1.6	108	15	US-09-738-626-6237	Sequence 6237, Ap
8	8	1.6	173	15	US-10-156-761-8251	Sequence 8251, Ap
9	8	1.6	299	10	US-09-886-055-257	Sequence 257, App
10	8	1.6	299	11	US-09-804-291-257	Sequence 257, App
11	8	1.6	299	12	US-10-017-161-928	Sequence 928, App
12	8	1.6	368	12	US-10-345-680-59	Sequence 59, App
13	8	1.6	368	15	US-10-251-385-20	Sequence 20, App
14	8	1.6	368	15	US-10-251-385-174	Sequence 174, App
15	8	1.6	368	15	US-10-225-567A-74	Sequence 74, App
16	8	1.6	444	15	US-10-270-333-132	Sequence 132, App
17	8	1.6	472	15	US-10-106-698-6402	Sequence 6402, Ap
18	8	1.6	572	15	US-10-156-761-11238	Sequence 11238, A
19	8	1.6	867	15	US-10-128-714-3018	Sequence 3018, Ap
20	8	1.6	974	15	US-10-128-714-8018	Sequence 8018, Ap
21	8	1.6	1617	14	US-10-090-453A-2	Sequence 2, App
22	8	1.6	1617	14	US-10-005-338B-6	Sequence 6, App
23	8	1.6	12	15	US-10-053-485-46	Sequence 46, App
24	8	1.4	18	15	US-10-028-075B-38	Sequence 38, App
25	8	1.4	18	15	US-10-028-075B-172	Sequence 172, App
26	8	1.4	18	15	US-10-029-206A-38	Sequence 38, App
27	7	1.4	18	15	US-10-029-206A-172	Sequence 172, App
28	7	1.4	21	10	US-09-915-676-4	Sequence 4, App
29	7	1.4	23	15	US-10-285-688-3	Sequence 3, App
30	7	1.4	28	15	US-10-293-551-3	Sequence 3, App
31	7	1.4	34	9	US-09-864-761-33539	Sequence 33539, A
32	7	1.4	34	15	US-10-196-183-1	Sequence 1, App
33	7	1.4	35	9	US-09-864-761-38312	Sequence 38312, A
34	7	1.4	35	15	US-10-106-698-3749	Sequence 3749, Ap
35	7	1.4	37	9	US-09-466-320-1	Sequence 1, App
36	7	1.4	37	10	US-09-915-676-2	Sequence 2, App
37	7	1.4	37	15	US-10-050-875-25	Sequence 25, App
38	7	1.4	37	15	US-10-028-075B-48	Sequence 48, App
39	7	1.4	37	15	US-10-029-206A-48	Sequence 48, App
40	7	1.4	38	9	US-09-466-320-2	Sequence 2, App
41	7	1.4	38	10	US-09-915-676-3	Sequence 3, App
42	7	1.4	39	9	US-09-864-761-37169	Sequence 37169, A
43	7	1.4	47	10	US-09-981-876-182	Sequence 182, App
44	7	1.4	47	11	US-09-148-545-182	Sequence 182, App
45	7	1.4	59	9	US-09-864-761-47812	Sequence 47812, A

#### ALIGNMENTS

RESULT 1  
US-09-864-761-43200  
Sequence 43200, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wenheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
FILE REFERENCE: Aemica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263,6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27

```
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43200
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005037.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
; OTHER INFORMATION: EST HUMAN HIT: BE275324.1, EVALUATE 4.00e-35
; OTHER INFORMATION: SWISSPROT HIT: P54472, EVALUATE 1.00e-10
US-09-864-761-43200

Alignment Scores:
Pred. No.: 2.17e-58 Length: 68
Score: 68.00 Matches: 68
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 13.44% Indels: 0
DB: 9 Gaps: 0

US-09-745-506-74 (1-1553) x US-09-864-761-43200 (1-68)
QY 395 ATGGAGGAGGCTCTGCAAAAGAGGACGCTCATTTCTCTACCATCGGCTATCTTC 454
DB 1 MetgungluValIeuGlnIysIAspIeuIleuSerTyHisProIlePhe 20
QY 455 CGACCATGAGCGCATACCTGAGACATGAGGAGGCGGCTGTGATCCGGGCTTG 514
DB 21 AtgPrMetLlyAlrIleHtrTtrPasnHtrTrrPlySgluArgIeuValIleArgIaleu 40
QY 515 GAGAACAGATCGGTATCTACTCTCTCATACAGCTATGATGCTGCGCCAGGCGCTC 574
DB 41 GIuAanArgValIGlyIleTySerProHIStrHrAlaTyAspAlaIalrProGInglyVal 60
QY 575 AACCACTGGTGGCTRAAGGCTT 598
DB 61 AsnAsnTrPleuAlaIysGlyLeu 68

RESULT 2
US-09-572-404B-1709
; Sequence 1709, Application US/09572404B
```

```
; Publication No. US20030078374A1
; GENERAL INFORMATION:
; APPLICANT: Proteom Ltd
; TITLE OF INVENTION: Complementary peptide ligands from the human genome
; FILE REFERENCE: Human patent
; CURRENT APPLICATION NUMBER: US/09/572,404B
; CURRENT FILING DATE: 2000-05-17
; NUMBER OF SEQ ID NOS: 4203
; SOFTWARE: ProPatent version 1.0
; SEQ ID NO 1709
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; OTHER INFORMATION: sequence located in CXCR3 OR GPR9 at 61-70 and may interact w/
US-09-572-404B-1709

Alignment Scores:
Pred. No.: 110 Length: 10
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.58% Indels: 0
DB: 11 Gaps: 0

US-09-745-506-74 (1-1553) x US-09-572-404B-1709 (1-10)
QY 744 TCACCTCTTTCTGCTAGACTG 767
DB 1 SerLeuIeuPheIeuIeuGlyLeu 8

RESULT 3
US-09-764-869-680
; Sequence 680, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; PRIOR application data removed - refer to PAM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 680
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-869-680

Alignment Scores:
Pred. No.: 92.7 Length: 64
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.58% Indels: 0
DB: 9 Gaps: 0

US-09-745-506-74 (1-1553) x US-09-764-869-680 (1-64)
QY 251 TTGAAGGCTCTCTTCTCTCTTG 274
DB 4 LeuIySAlaIeuIeuSerIeu 11

RESULT 4
US-10-091-504-680
; Sequence 680, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
```

```
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 680
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-091-504-680

Alignment Scores:
Pred. No.: 92.7      Length: 64
Score: 8.00         Matches: 8
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 1.58%      Indels: 0
DB: 15              Gaps: 0

US-09-745-506-74 (1-1553) x US-10-091-504-680 (1-64)

OY 251 TTGAAGCTCTCTCTCTCTCTG 274
DB 4 LeuLYsAlaLeuLeuSerLeu 11

RESULT 5
US-10-156-761-9111
; Sequence 9111, Application US/10156761
; Publication NO. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: HORIKAWA, JUN
; APPLICANT: ISHIKAWA, HIROSHI
; APPLICANT: SHIBA, TADATOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 9111
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-9111

Alignment Scores:
Pred. No.: 89.8      Length: 91
Score: 8.00         Matches: 8
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 1.58%      Indels: 0
DB: 15              Gaps: 0

US-09-745-506-74 (1-1553) x US-10-156-761-9111 (1-91)

OY 388 GGAAGTGATGAGAGGTCTGCA 411
DB 84 GlySerAspGlyGlyAlaAla 91

RESULT 6
US-10-043-487-236
; Sequence 236, Application US/10043487
; Publication NO. US20030055220A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; APPLICANT: PIERRE, LEGRAIN
```

```
; TITLE OF INVENTION: Protein-protein interactions between Shigella flexneri polypep
; FILE REFERENCE: BA778A
; CURRENT APPLICATION NUMBER: US/10/043,487
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/261,130
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 561
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 236
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Shigella flexneri
US-10-043-487-236

Alignment Scores:
Pred. No.: 89.3      Length: 96
Score: 8.00         Matches: 8
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 1.61%      Indels: 0
DB: 15              Gaps: 0

US-09-745-506-74 (1-1553) x US-10-043-487-236 (1-96)

OY 311 CCCAAGCTTCAGCAAGAGAGG 288
DB 62 ProAsnSerGlnGlnThrArgGly 69

RESULT 7
US-09-738-626-6237
; Sequence 6237, Application US/09738626
; Publication NO. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIRO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6237
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6237

Alignment Scores:
Pred. No.: 88.4      Length: 108
Score: 8.00         Matches: 8
Percent Similarity: 100.00%  Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 1.58%      Indels: 0
DB: 10              Gaps: 0

US-09-745-506-74 (1-1553) x US-09-738-626-6237 (1-108)

OY 747 CTTCCTTTCTGCTAGAGCTGTA 770
```

```
Db 15 LeuLeuphLeuLeuGlyLeuVal 22
|||||
RESULT 8
US-10-156-761-8251
; Sequence 8251, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIRA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 8251
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-8251

Alignment Scores:
Pred. No.: 84.7 Length: 173
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.58% Indels: 0
DB: 15 Gaps: 0

US-09-745-506-74 (1-1553) x US-10-156-761-8251 (1-173)
QY 493 GCGCCTGGATCGGCGCTCTGA 516
|||||
Db 164 AlaProGlyAspProGlySerCyl 171

RESULT 9
US-09-886-055-257
; Sequence 257, Application US/09886055
; Patent No. US20020132273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULIA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; FILE REFERENCE: 078003-0277150
; CURRENT APPLICATION NUMBER: US/09/886,055
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 257
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-886-055-257

Alignment Scores:
Pred. No.: 80.5 Length: 299
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.61% Indels: 0
DB: 10 Gaps: 0

US-09-745-506-74 (1-1553) x US-09-886-055-257 (1-299)
QY 183 CTATGCTCATTTCACTGCGCACTT 160
|||||
Db 140 LeuCySLeuIleSerValProLeu 147

RESULT 10
US-09-804-291-257
; Sequence 257, Application US/09804291
; Publication No. US20030088059A1
; GENERAL INFORMATION:
; APPLICANT: ZOZULIA, SERGEY
; TITLE OF INVENTION: HUMAN OLFACTORY RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: P 0278005
; CURRENT APPLICATION NUMBER: US/09/804,291
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/188,914
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/192,033
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 60/198,474
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/199,335
; PRIOR FILING DATE: 2000-04-24
; PRIOR APPLICATION NUMBER: 60/207,702
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/213,849
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/226,534
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/230,732
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/266,862
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 529
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 257
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-804-291-257

Alignment Scores:
Pred. No.: 80.5 Length: 299
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.61% Indels: 0
DB: 11 Gaps: 0

US-09-745-506-74 (1-1553) x US-09-804-291-257 (1-299)
QY 183 CTATGCTCATTTCACTGCGCACTT 160
|||||
Db 140 LeuCySLeuIleSerValProLeu 147

RESULT 11
US-10-017-161-928
; Sequence 928, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUMA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
```

```

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 928
; LENGTH: 299
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-017-161-928

Alignment Scores:
Pred. No.: 80.5      Length: 299
Score: 8.00         Matches: 8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 1.61%              Indels: 0
DB: 12                  Gaps: 0

US-09-745-506-74 (1-1553) x US-10-017-161-928 (1-299)

OY      183 CTATGCTCTTTCAGTGCACCTT 160
Db      140 LeucylserineLeuValProlau 147

RESULT 12
US-10-345-680-59
; Sequence 59, Application US/10345680
; Publication No. US20030148394A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Venkateswarlu, Karichell
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: UROLOGICAL DISORDERS USING 1435, 559, 34021, 44099, 25278,
; TITLE OF INVENTION: 641, 260, 55089, 21407, 42032, 46656, 65553, 302, 323.
; TITLE OF INVENTION: 12303, 985, 13237, 13601, 18926, 318, 2058 OR 6351 MOLECULES.
; FILE REFERENCE: MP102-012PR1RM.OMIT
; CURRENT APPLICATION NUMBER: US/10/345,680
; CURRENT FILING DATE: 2003-01-16
; PRIOR APPLICATION NUMBER: US 60/349,511
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/360,500
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/365,041
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/374,063
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: US 60/403,468
; PRIOR FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: US 60/414,262
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 60/419,986
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/423,809
; PRIOR FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: US 60/429,797
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 368
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-345-680-59

Alignment Scores:
Pred. No.: 79      Length: 368
Score: 8.00         Matches: 8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 1.58%              Indels: 0
DB: 12                  Gaps: 0

US-09-745-506-74 (1-1553) x US-10-345-680-59 (1-368)

OY      744 TCACTCTTTTCGTAGAGACTG 767
Db      61 SerLeuLeuPheLeuGlyLeu 68
```

```

Db      61 SerLeuLeuPheLeuGlyLeu 68

RESULT 13
US-10-251-385-20
; Sequence 20, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: NO. US20030105292A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Protein-Coupled
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 368
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-251-385-20

Alignment Scores:
Pred. No.: 79      Length: 368
Score: 8.00         Matches: 8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 1.58%              Indels: 0
DB: 15                  Gaps: 0

US-09-745-506-74 (1-1553) x US-10-251-385-20 (1-368)

OY      744 TCACTCTTTTCGTAGAGACTG 767
Db      61 SerLeuLeuPheLeuGlyLeu 68

RESULT 14
US-10-251-385-174
; Sequence 174, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; TITLE OF INVENTION: NO. US20030105292A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Protein-Coupled
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 368
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-251-385-174

Alignment Scores:
Pred. No.: 79      Length: 368
Score: 8.00         Matches: 8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 1.58%              Indels: 0
DB: 15                  Gaps: 0
```

US-09-745-506-74 (1-1553) x US-10-251-385-174 (1-368)

OY 744 TCACCTCTTTTCGCTAGACTG 767  
 |||||  
 DB 61 SerleuLeuphLeuGlyLeu 68

RESULT 15

US-10-225-567A-74  
 ; Sequence 74, Application US/10225567A  
 ; Publication No. US20030113798A1

GENERAL INFORMATION:

APPLICANT: Lifespan Biosciences

APPLICANT: Brown, Joseph P.

APPLICANT: Burner, Glenna C.

APPLICANT: Roush, Christine L.

TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

FILE REFERENCE: 1920-4-4

CURRENT APPLICATION NUMBER: US/10/225,567A

PRIOR FILING DATE: 2001-12-19

PRIOR APPLICATION NUMBER: 60/257,144

NUMBER OF SEQ ID NOS: 2292

SOFTWARE: PatentIn version 3.1

SEQ ID NO 74

LENGTH: 368

TYPE: PRT

ORGANISM: Homo sapiens

US-10-225-567A-74

Alignment Scores:

Pred. No.:	79	Length:	368
Score:	8.00	Matches:	8
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	1.58%	Indels:	0
DB:	15	Gaps:	0

US-09-745-506-74 (1-1553) x US-10-225-567A-74 (1-368)

OY 744 TCACCTCTTTTCGCTAGACTG 767  
 |||||  
 DB 61 SerleuLeuphLeuGlyLeu 68

Search completed: August 22, 2003, 15:02:19  
 Job time : 101 secs